

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER ABL-0121P US U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/557128 not yet assigned
INTERNATIONAL APPLICATION NO. PCT/GB2004/002421	INTERNATIONAL FILING DATE June 7, 2004	PRIORITY DATE CLAIMED June 6, 2003
TITLE OF INVENTION <p style="text-align: center;">PEPTIDE LIGANDS</p>		
APPLICANT(S) FOR DO/EO/US <p style="text-align: center;">Stephen L. HART; Michele WRITER</p>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input checked="" type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

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PTO-1390 (Rev. 07-2005)

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) not yet assigned	INTERNATIONAL APPLICATION NO. PCT/GB2004/002421	ATTORNEY'S DOCKET NUMBER ABL-012.1P US																					
20. Other items or information: International Search Report																							
The following fees have been submitted		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">CALCULATIONS</th> <th style="width:50%;">PTO USE ONLY</th> </tr> </table>	CALCULATIONS	PTO USE ONLY																			
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21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 300</td> <td style="width:50%;"></td> </tr> </table>	\$ 300																				
\$ 300																							
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 200</td> <td style="width:50%;"></td> </tr> </table>	\$ 200																				
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23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 500</td> <td style="width:50%;"></td> </tr> </table>	\$ 500																				
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TOTAL OF 21, 22 and 23 =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$1000</td> <td style="width:50%;"></td> </tr> </table>	\$1000																				
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<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:50%;"></td> </tr> </table>																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">Total Sheets</th> <th style="width:20%;">Extra Sheets</th> <th style="width:30%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width:30%;">RATE</th> </tr> <tr> <td style="text-align: center;">127 - 100 =</td> <td style="text-align: center;">27 /50 =</td> <td style="text-align: center;">1</td> <td style="text-align: center;">x \$250</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	127 - 100 =	27 /50 =	1	x \$250	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 250</td> <td style="width:50%;"></td> </tr> </table>	\$ 250													
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127 - 100 =	27 /50 =	1	x \$250																				
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Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$</td> <td style="width:50%;"></td> </tr> </table>	\$																				
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:30%;">RATE</th> </tr> <tr> <td style="text-align: center;">Total claims</td> <td style="text-align: center;">31 - 20 =</td> <td style="text-align: center;">11</td> <td style="text-align: center;">x \$ 50</td> </tr> <tr> <td style="text-align: center;">Independent claims</td> <td style="text-align: center;">6 - 3 =</td> <td style="text-align: center;">3</td> <td style="text-align: center;">x \$200</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: center;">+ \$360</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	31 - 20 =	11	x \$ 50	Independent claims	6 - 3 =	3	x \$200				+ \$360	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 550</td> <td style="width:50%;"></td> </tr> <tr> <td style="width:50%; text-align: right;">\$ 600</td> <td style="width:50%;"></td> </tr> <tr> <td style="width:50%; text-align: right;">\$ 360</td> <td style="width:50%;"></td> </tr> </table>	\$ 550		\$ 600		\$ 360	
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\$ 360																							
TOTAL OF ABOVE CALCULATIONS =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 2760</td> <td style="width:50%;"></td> </tr> </table>	\$ 2760																				
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<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;"></td> <td style="width:50%;"></td> </tr> </table>																					
SUBTOTAL =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 1380</td> <td style="width:50%;"></td> </tr> </table>	\$ 1380																				
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 0</td> <td style="width:50%;"></td> </tr> </table>	\$ 0																				
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TOTAL NATIONAL FEE =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 1380</td> <td style="width:50%;"></td> </tr> </table>	\$ 1380																				
\$ 1380																							
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 0</td> <td style="width:50%;"></td> </tr> </table>	\$ 0																				
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TOTAL FEES ENCLOSED =		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: right;">\$ 1380.00</td> <td style="width:50%;"></td> </tr> </table>	\$ 1380.00																				
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AP16 Rec'd PTO 06 DEC 2005

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- a. ☒ A check in the amount of \$ 1380.00 to cover the above fees is enclosed. (check no. 6714)
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0268. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Leon R. Yankwich, Esq.
YANKWICH & ASSOCIATES, P.C.
201 Broadway
Cambridge, MA 02139


SIGNATURE

David G. O'Brien

NAME

46,125

REGISTRATION NUMBER

**PATENT COOPERATION TREATY
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE**

In re Application of:	Hart et al.	
Serial No.:	(not yet assigned)	Art Unit: not yet assigned
Filed:	(concurrently herewith)	Examiner: not yet assigned
Entitled:	PEPTIDE LIGANDS	

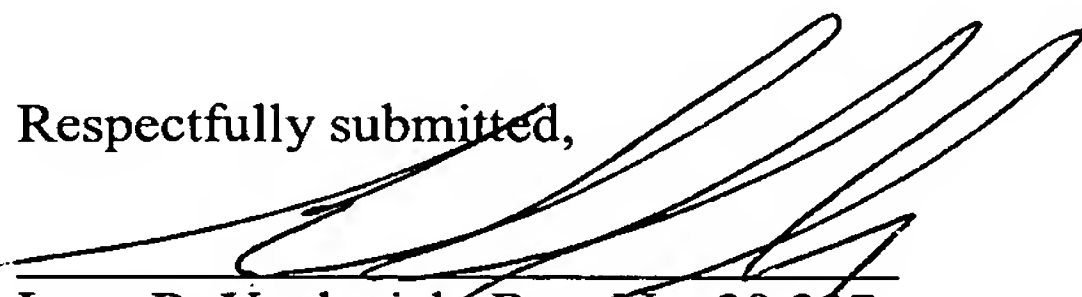
U.S. National Stage of Int'l Appln. PCT/GB2004/002421 filed June 7, 2004, designating the U.S.
Attorney Docket No.: ABL-012.1P US

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

NATIONAL STAGE APPLICATION TRANSMITTAL:

1. Designated/Elected Office (DO/EO/US) Transmittal Form PTO-1390 (3 pages);
2. Duplicate copy of Transmittal Form PTO-1390 page 2 fee calculation/authorization;
3. Combined Declaration for a Patent Application and Power of Attorney – Unexecuted (3 pages);
4. Copy of International Application as published (151 pages);
5. International Search Report & Written Opinion of the International Searching Authority (20 pages);
6. Preliminary Amendment (9 pages);
7. Sequence Listing in computer-readable form on diskette and paper copy (21 pages);
8. Statement under 37 C.F.R. §1.821(f) (2 pages);
9. Check No. 6714 in the amount of \$1380 to cover the application filing fees; and
10. Return Receipt Postcard

Respectfully submitted,


Leon R. Yankwich, Reg. No. 30,237
David G. O'Brien, Reg. No. 46,125
Attorneys for Applicants
YANKWICH & ASSOCIATES, P.C.
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telephone: 617-374-3700
telecopier: 617-374-0055

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

The undersigned hereby certifies that the correspondence listed above is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10, postage prepaid, Express Mailing Label No. **EV 509622584 US**, in an envelope addressed to **Mail Stop PCT**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

December 6, 2005

date



Nasim G. Memon